

Installation Manual PCR Corado

MCR 1301

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SERVICE MANUAL – SYSTEM

Installation Manual PCR Corado

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MCR 1301

In case there are any questions concerning this manual,
please send this LOPAD via fax to +49 40 5078 - 2481

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3 ...11 (04.1)

Installation Corado (04.1) 011-201-03/ PMS(04.1), Fuji Photo Film Co., Ltd.

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1 Introduction

1.1 System components

A PCR Corado system consists of the following sub-systems:

- PCR Corado Reader (IR-362)
- PCR Preview Unit (IBM NetVista PC + monitor with optional touch screen)
- PCR User Terminal (IBM NetVista PC + operation panel)
- EasyVision RAD (Sun workstation + monitor)

1.2 Documentation

The following documentation is delivered:

CD-ROM: PCR systems documentation

Containing all service manuals, release bulletins, etc. in PDF

4512 984 26684 and higher

System

Installation Manual PCR Corado

This Manual

PCR Preview Unit

Service Manual PCR Preview Unit

4512 984 2458x

Release Bulletin PCR Preview Unit

4512 984 2780x

PCR CosimaX Reader

Installation Manual PCR Corado Reader

Appendix to this manual

Release Bulletin PCR CosimaX/ Corado Reader

4512 984 2774x

PCR User Terminal

Release Bulletin PCR User Terminal R 1.5

4512 984 2476x

Release Bulletin RIS

4512 984 2477x

Release Bulletin DICOM/WLM RIS

4512 984 2478x

Service Manual PCR PC

4512 984 2458x

EasyVision RAD

Release Bulletin EasyVision RAD R4.2V2

4522 170 0117x

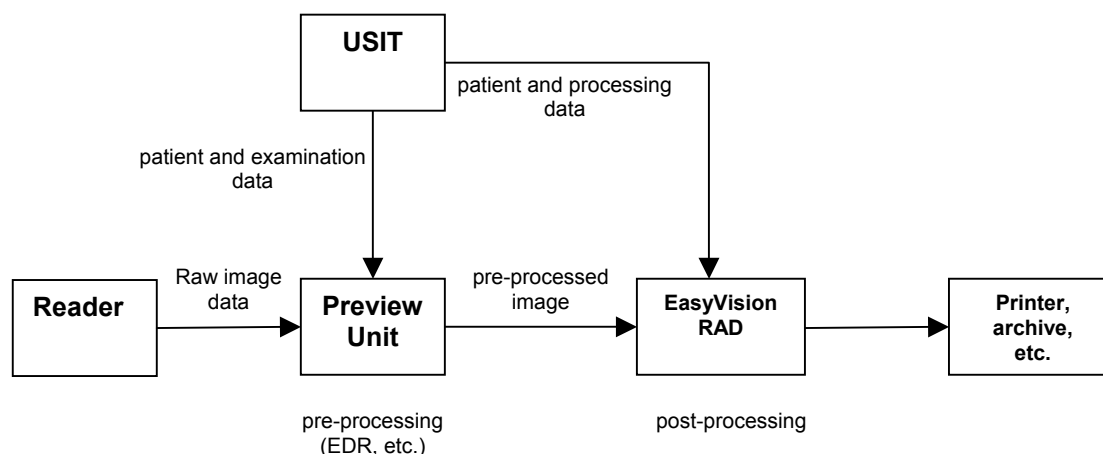
Service Manual sub system

4512 984 2236x

Service Manual unit

4522 981 0439x

1.3 Data flow



2 System installation

2.1 Introduction

This chapter describes the steps to be performed during installation of a PCR system. Detailed procedures can be found in the belonging sub-system manuals and Release Bulletins.

The PCR Preview Unit serves as a gateway between Reader and EasyVision, emulating a PCR AC5000 Reader. The Reader reads the image and transfers raw data to the Preview Unit. Preprocessing (EDR etc.) is then done in the Preview Unit. Afterwards the image is sent in DICOM format to the EasyVision for post processing and distribution to other destinations like printers, archives etc.

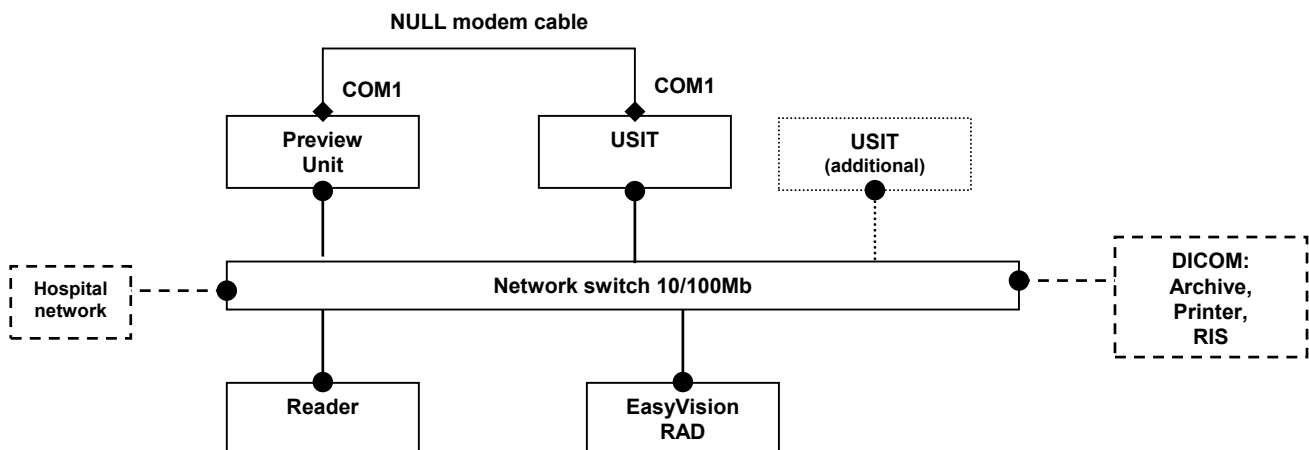
The **Reader ID** in the USIT configuration must always be set to "A", even if there are more than one Readers in the same cluster. Otherwise the USIT comes up with an error message: "Reader ID mismatch".

When configuring the Reader within the EasyVision RAD configuration program you need to configure a **Reader Node** using the IP address and name of the Preview Unit.

2.2 Installation overview

1. Unpacking and installing the Reader.
2. Unpacking and installing the PCR Preview Unit (PC) + Monitor.
3. Software installation and configuration at the Preview Unit according to the Release Bulletin of the Preview Unit.
4. Unpacking and installing the USIT(s) and operation panel(s).
5. Software installation and configuration at the USIT according to the Release Bulletin USIT(s).
6. Unpacking and installing the EasyVision RAD(s).
7. Software configuration according to the Release Bulletin EasyVision RAD.
8. Final checks.

2.3 Connection diagram



2.4 Installing the Reader

Unpack and install the Reader according to the attached service manual of the Reader.

Recommended type of network cable: UTP CAT 5

2.5 Installing the Preview Unit

2.5.1 Unpacking

- Unpack the PC
- Unpack the monitor

2.5.2 Checking the items supplied

Item	Qty.	Remark	Check
PC IBM Netvista M42			
Keyboard	1	U.S. layout	
Mouse	1	PS/2	
Serial cable, 5 m (Nullmodem)	1	Connection to USIT	
Power cable 115 V	3	U.S.	
Power cable 230 V	1	Europe (not U.K.)	
STP patch cable	2	network	
Sticker "Certificate of Authenticity"	1	License for Windows 2000	
Monitor (touch screen optional)			
Monitor	1		
External power supply + cable	1	Optional, depending on type of monitor	
CD-ROM	1	Optional, driver software for touch screen	

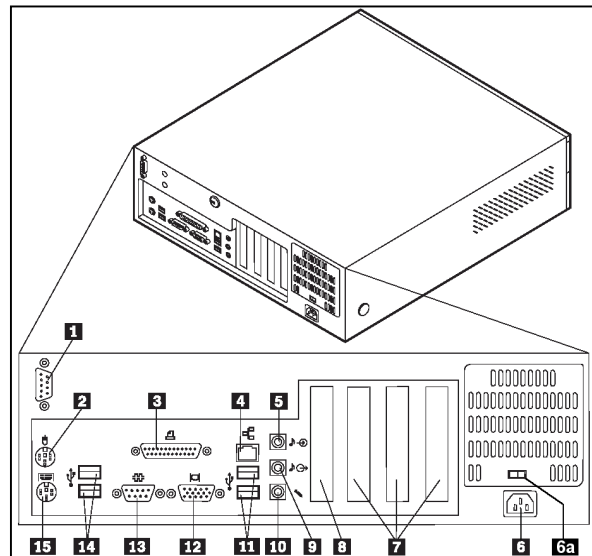
Some connectors on the rear of the computer are color-coded to help to determine where to connect the cables on the computer. The following illustration shows the location of the connectors on the rear of the computer (IBM NetVista M42, Type 8303).

2.5.3 Cable connections

Connect the cables accordingly:

- | | | | |
|----|--------------------|---|--------------------------|
| 1 | Serial port (COM2) | → | touch screen (optional) |
| 2 | Mouse connector | → | mouse |
| 4 | Ethernet connector | → | network cable |
| 6 | Power connector | → | power cable |
| 12 | VGA connector | → | monitor / display |
| 13 | Serial port (COM1) | → | Null modem cable to USIT |
| 15 | Keyboard connector | → | keyboard |

Set the power selector switch [6a] according to the local mains voltage to 115 V or 230 V (default is 230V).

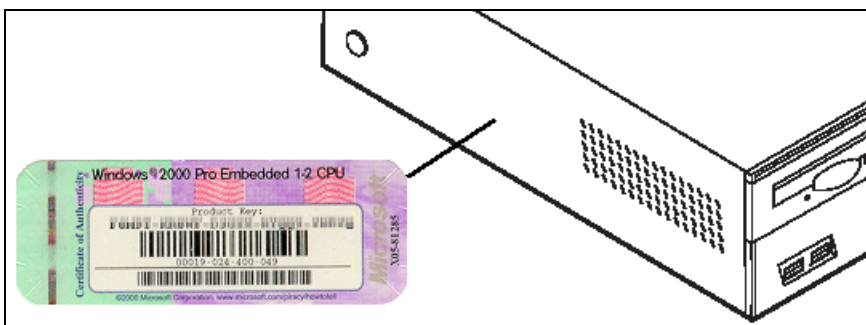


2.5.4 Software installation and configuration

Now perform software installation and configuration according to the **Release Bulletin PCR Preview Unit**.

2.5.5 Certificate of authenticity

For legal reasons: Place the separately delivered sticker **Certificate of Authenticity** for Windows 2000 on the left hand side of the PC cover. If a sticker already exists place the new sticker onto the existing one.



2.6 Installing the PCR User Terminal(s)

2.6.1 Unpacking

- Unpack the PC(s).
- Unpack the operation panel(s).

2.6.2 Checking the items supplied

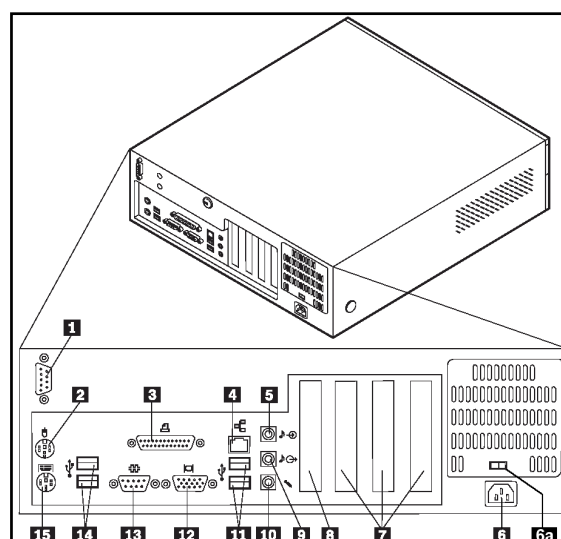
Item	Qty.	Remark	Check
PC IBM Netvista M42			
Keyboard	1	U.S. layout	
Mouse	1	Spare	
Serial cable, 3 m (Nullmodem)	1	Spare	
Power cable, 115 V	3	U.S.	
Power cable, 230 V	1	Europe (not U.K.)	
STP patch cable	2	network	
Operation Panel			
Power cable, 115 V	1	U.S.	
Power cable, 230 V	1	Europe (not U.K.)	
VGA cable	1		
PS/2 cable	1		
Feet	2		
Holder for barcode scanner	1		
Barcode Scanner incl. Y cable	1	separate item	
Wall Mount for Operation Panel	1	optional	

2.6.3 Cable connections

Connect the cables accordingly:

- | | | |
|-----------------------|---|----------------------------------|
| 4 Ethernet connector | → | network cable |
| 6 Power connector | → | mains cable |
| 12 VGA connector | → | USIT operation panel |
| 13 Serial port (COM1) | → | Null modem cable to Preview Unit |
| 15 Keyboard connector | → | PS/2 cable to Operation Panel |

Set the power selector switch [6a] according to the local mains voltage to 115 V or 230 V (default is 230V).



2.6.4 Software installation and configuration

Now perform software installation and configuration according to the **Release Bulletin PCR User Terminal**.

Please note that the **Reader ID** in the USIT configuration must always be set to "A", even if there are more than one Readers in the same cluster. Otherwise the USIT comes up with an error message: "Reader ID mismatch".

Select the **Reader type** depending on the software releases:

USIT 1.5L2	3 = AC500, AC3000, AC5000 or 9000
USIT 1.5L3 and higher	<u>1</u> = Preview Unit 1.2 and higher or 2 = Preview Unit 1.1, AC500(0)/3000/9000 reader

2.7 Installing the EasyVision

2.7.1 Unpacking

- Unpack the EasyVision RAD and its components including the monitor.

2.7.2 Cable connections

- Make sure the power selector switch of the computer is set to the correct mains voltage.
- Connect the hardware components of the EasyVision RAD according to the belonging sub-system Service Manual.
- Connect power cable to mains and connect network cable (STP) to the network.

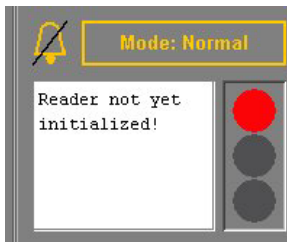
2.7.3 Software configuration

Now perform software configuration according to the **Release Bulletin EasyVision RAD**.

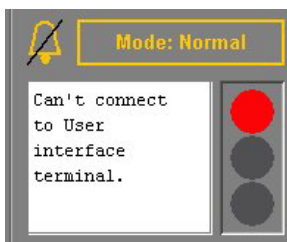
Note: When configuring the Reader within the EasyVision RAD configuration program you need to configure a Reader Node using the IP address and name of the PCR Preview Unit.

3 First start-up

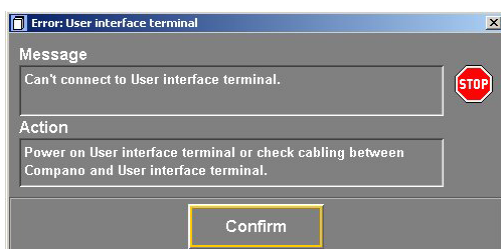
1. Switch on the Reader, switch on the Preview Unit.
2. The Preview Unit application software starts automatically in a minute.
3. When starting the application is done the application window shows a message to indicate that the Reader is being initialized and the traffic light is still on red:



4. Switch on the USIT, switch on the EasyVision.
5. When the Reader has initialized, the error message **Reader not yet initialized** should disappear.
6. While the USIT is still booting you'll get an error window and the status window shows:



7. Wait until the USIT is up and running, then click [**Confirm**] to the error message on the Preview Unit:



8. Now you should get GREEN at the traffic light. The system is operational.



3.1 Final checks

Run the following checks on the output image:

- Image and convenience checks according to chapter 9 of the reader installation manual.
- Output to the printer
- Output to the archive if present

3.2 Cleaning the equipment

Clean the monitors and the computers with a dry cloth. Clean the covers of the Reader with a moistened cloth.